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RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/686,490B
Source: TFW
Date Processed by STIC: 1-30-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

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Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER:
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		10/686,490B
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number(s) at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
Skipped Sequences (NEW RULES)	Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences	
	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents	
✓ Invalid <213> Response → Use of <220>	Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence	✓
PatentIn 2.0 "bug"	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
Misuse of n/Xaa	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	

AMC - Biotechnology Systems Branch - 09/09/2003

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Page 1 of 5



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/686,490B

DATE: 11/30/2004
TIME: 12:03:24

Input Set : A:\pto.lm.txt
Output Set: N:\CRF4\11302004\J686490B.raw

3 <110> APPLICANT: Bayer Aktiengesellschaft
4 <120> TITLE OF INVENTION: Anti-Kazlauskas-Lipases
5 <130> FILE REFERENCE: LeA 35 991
6 <140> CURRENT APPLICATION NUMBER: US 10/686,490B
6 <141> CURRENT FILING DATE: 2003-10-15
6 <160> NUMBER OF SEQ ID: 2
7 <170> SOFTWARE: PatentIn version 3.1
9 <210> SEQ ID NO: 1
10 <211> LENGTH: 885
11 <212> TYPE: DNA
12 <213> ORGANISM: nucleic acid
13 <220> FEATURE:
14 <221> NAME/KEY: CDS
15 <222> LOCATION: (1)...(885)
16 <223> OTHER INFORMATION: bacterial
18 <400> 1

19 atg gca cag gtg aag gcc aac ggc att acc ctc gag tat gaa gag cag
20 Met Ala Gln Val Lys Ala Asn Gly Ile Thr Leu Glu Tyr Glu Glu Gln
21 1 5 10 15
23 ggc cat cgc cac cat ccg tcc atg ctc ctc att atg ggc ctg ggc ggc
24 Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly
25 20 25 30
27 cag tta atc gac tgg ccc gag gag ttc atc cgg ggg ctg gct gaa cga
28 Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
29 35 40 45
31 ggc ttc cgg gta atc tgt ttc gac aac cgc gac gcg ggg ctt tcg acg
32 Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr
33 50 55 60
35 aaa ctt gaa ggc gtg aaa aaa ccg aac att gcc cgg gta ttt ctc ctg
36 Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu
37 65 70 75 80
39 gcg agc atg ggc cta aag ccc agg gtg cct tac acc ctc gac gac atg
40 Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met
41 85 90 95
43 gcc ctg gac acc gtg ggg ctg atg gat gcc ctg ggc att gag agc acc
44 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
45 100 105 110
47 cac gta gtt ggc gtc tcc atg ggc ggc atg att gcg cag att cta ggg
48 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
49 115 120 125
51 gcg aag cac ggg gag cgg gtg aaa tcc ctt acc ctg atg att acc tcc
52 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
53 130 135 140

Does Not Comply
Corrected Diskette Needed
(pg. 1-2)

mandatory,

48 <213>

Responses

96 has to be

either

144 Artificial

192 Unknown

240 OR

288 Genus/

Species

336 See item

384 # 10

432 On error

Summary

Sheet.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/686,490B

DATE: 11/30/2004

TIME: 12:03:24

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\11302004\J686490B.raw

tcc ggc aac ccc cgc atg ccg gcg ccc agg ccg cag gtg ctg caa aag	480
Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys	
145 150 155 160	
ttt atg cgg gtg ccc aag agc atg gat aag gaa gag tgg att aaa tac	528
Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr	
165 170 175	
aac ttg gag ctt tta acc acc atc ggc agc ccc ggg ttg gac cgg gag	576
Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu	
180 185 190	
aag ctg gcc tta gac gtg agg aag agc ata gag cgg tgc ctt tgc ccc	624
Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro	
195 200 205	
gaa ggc acg cag cgg cag ctg gca gcc atc ctg cag agc ggc agc agg	672
Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg	
210 215 220	
gtg aag ctg ctc cgg cgg atc gct gtc ccc acc ctg gtc atc agc ggg	720
Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly	
225 230 235 240	
gcg gaa gat ccc ctc ctg cgg tac cag tgc ggc cgg gac att gcc gac	768
Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp	
245 250 255	
cat atc ccg gga gcc cgc ttc gag ctc atc gag ggc atg ggg cac gac	816
His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp	
260 265 270	
att ccc gag cgg cac atc ccc cgg ctg att gag ctc atc gcc ggg cac	864
Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His	
275 280 285	
gcc gcg gcc gcg gaa gct taa	885
Ala Ala Ala Ala Glu Ala	
290	

<210> SEQ ID NO: 2

<211> LENGTH: 294

<212> TYPE: PRT

<213> ORGANISM: nucleic acid

-Same error

2 <400> SEQUENCE: 2

4 Met Ala Gln Val Lys Ala Asn Gly Ile Thr Leu Glu Tyr Glu Glu Gln	
5 1 5 10 15	
8 Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly	
9 20 25 30	
2 Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg	
3 35 40 45	
6 Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr	
7 50 55 60	
0 Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu	
1 65 70 75 80	
4 Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met	
5 85 90 95	
8 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr	
9 100 105 110	

See item
#10 on
 error
 summary
 sheet.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/686,490B

DATE: 11/30/2004

TIME: 12:03:24

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\11302004\J686490B.raw

132 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
133 115 120 125
136 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
137 130 135 140
140 Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys
141 145 150 155 160
144 Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr
145 165 170 175
148 Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu
149 180 185 190
152 Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro
153 195 200 205
156 Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg
157 210 215 220
160 Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly
161 225 230 235 240
164 Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp
165 245 250 255
168 His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp
169 260 265 270
172 Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His
173 275 280 285
176 Ala Ala Ala Ala Glu Ala
177 290

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/686,490B

DATE: 11/30/2004

TIME: 12:03:25

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\11302004\J686490B.raw

4 M:283 W: Missing Blank Line separator, <120> field identifier
5 M:283 W: Missing Blank Line separator, <130> field identifier
6 M:270 C: Current Application Number differs, Replaced Current Application No
6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
6 M:283 W: Missing Blank Line separator, <160> field identifier
13 M:283 W: Missing Blank Line separator, <220> field identifier
18 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:16